

ABSTRACT

The present invention provides an Nb-Al alloy powder for electrolytic capacitors. The powder is useful in manufacturing a component of an electrolytic capacitor which has a high capacitance and dielectric constant and which includes stable dielectric layers. The powder includes particles, which are covered with dielectric layers when the powder is processed into an anode of an electrolytic capacitor. The particles have dendritic microstructures principally containing NbAl_3 , Nb_2Al , Nb_3Al , or Nb and matrices containing Al or eutectic structures containing at least two selected from the group consisting of NbAl_3 , Nb_2Al , Nb_3Al , and Nb. The eutectic structures or the matrices surround the dendritic microstructures.